

ALKALI-FREE ALUMINOBOROSILICATE GLASS, AND USES THEREOF.

ABSTRACT OF THE DISCLOSURE

The invention relates to an alkali-free aluminoborosilicate glass which has the following composition (in % by weight, based on oxide): silicon dioxide (SiO_2) > 58 - 65, boric oxide (B_2O_3) > 6 - 10.5, aluminum oxide (Al_2O_3) > 14 - 25, magnesium oxide (MgO) 0 - < 3, calcium oxide (CaO) 0 - 9, strontium oxide (SrO) 0.1 - 1.5, and barium oxide (BaO) > 5 - 8.5, with strontium oxide (SrO) + barium oxide (BaO) < 8.6, and with magnesium oxide (MgO) + calcium oxide (CaO) + strontium oxide (SrO) + barium oxide (BaO) 8 - 18; zinc oxide (ZnO) 0 < 2, and which is highly suitable for use as a substrate glass both in display technology and in thin-film photovoltaics.